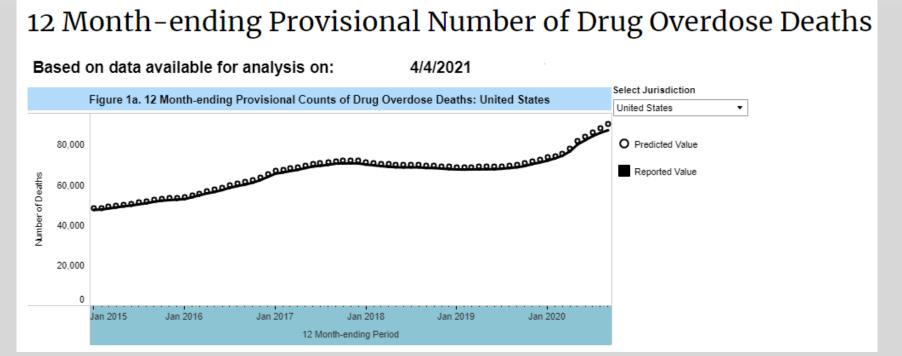
Drug Use Surveillance Measures Through a Public-Access Online Dashboard

CSTE 2021 Annual Conference

Surveillance / Informatics II
June 15, 2021

Background

 The US has experienced a prescription and illicit drug epidemic over the last decade.



Surveillance data has been used to design treatment programs, preventative measures, and implement policy changes, such as prescription drug monitoring programs.

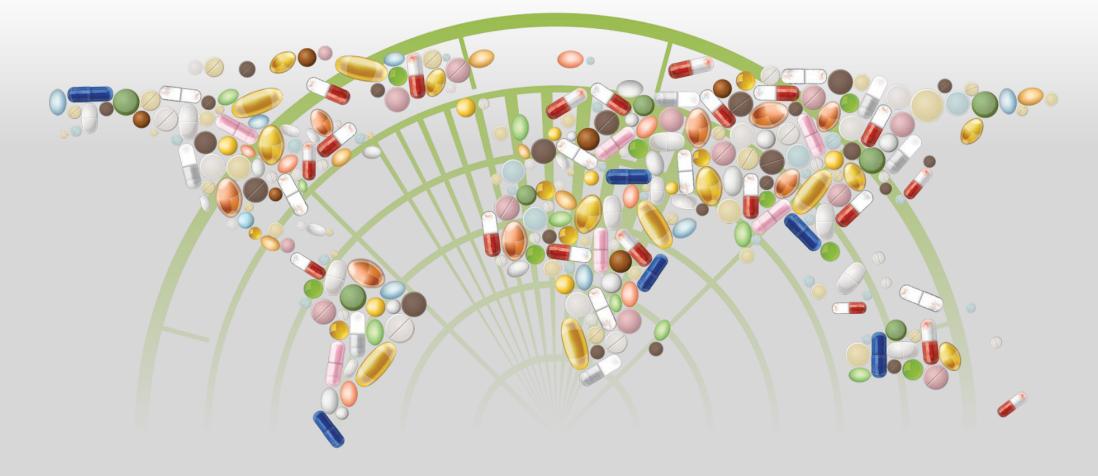
Background

Limitations

- · Limited publicly available state-based data
- Lag times in data availability
- Public health officials are faced with limited resources, and collecting or analyzing data can be burdensome

Our Objective

 Provide free access to real-time surveillance data for drug use behaviors at the state level through a simple online dashboard



RADARS® System Overview



RADARS® System Mosaic Surveillance

Researched

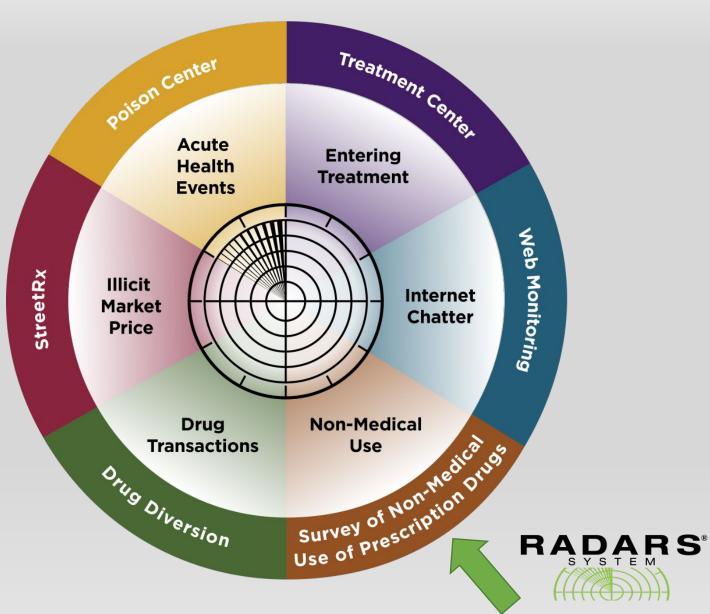
Abuse,

Diversion and

Addiction-

Related

Surveillance System



Survey of Non-Medical Use of Prescription Drugs (NMURx) Program: Methods



Objective

 Provide accurate and timely estimates prescription drug nonmedical use (including abuse & misuse) and associated motivations and behaviors among the general population



Study Design

- Semi-annual
- Cross-sectional
- Online
- Self-administered
- Confidential

NMURx Program: Methods



Recruitment

Online survey panels who volunteer to take surveys for compensation

Sampling Methods

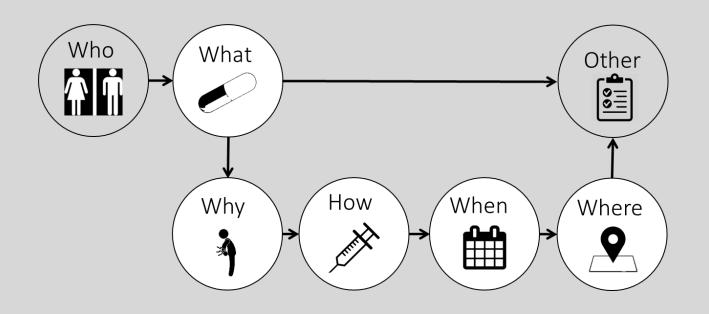
- Sample size ~60,000 surveys annually
- Guardrail quota sampling based on sex and region from most recent census data



Generalizability

Calibration weighting scheme to make national inferences

NMURx Program: Provided Estimates



Main Measure:
Drug Prevalence in
Last 12 Months

Use: Marijuana, Illicit drugs excluding Marijuana

Non-Medical Use: Prescription Pain Relievers, Opioids, Sedatives,

Stimulants, GABA-Analogues

"Use in a way not directed by your healthcare provider"

Dashboard 2020 Annual Data

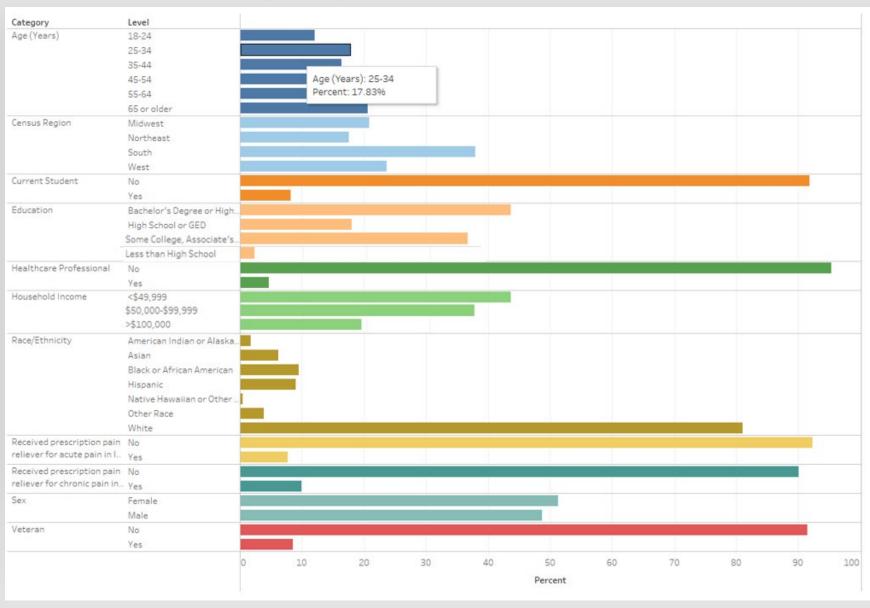
National Data

- Demographics Prevalence
- Drug Use Prevalence
- Drug Use by Select Demographic Subpopulations

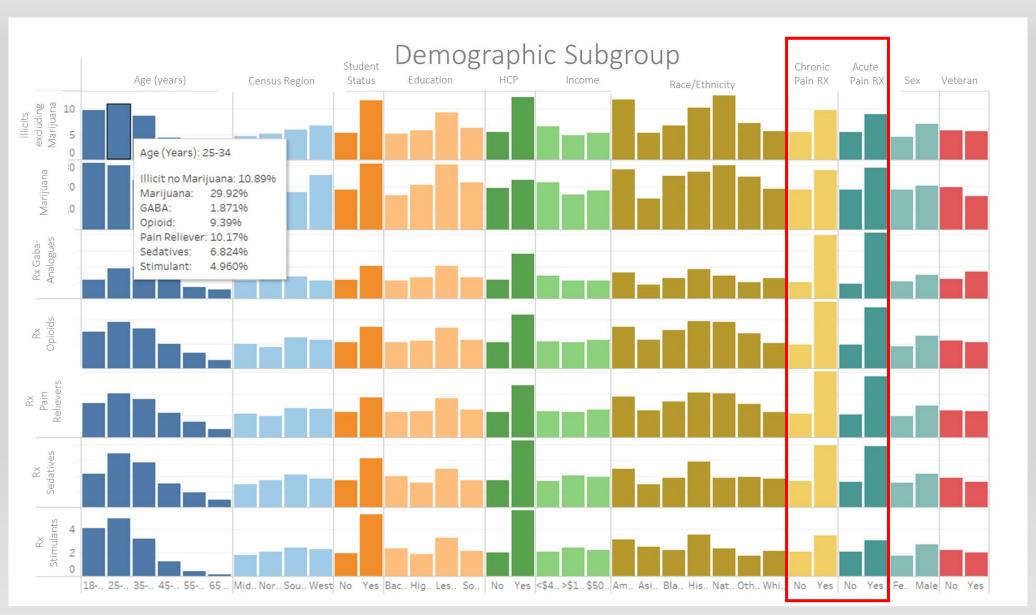
State-based Data

- Drug Use Prevalence
- Drug Use by Select Demographic Subpopulations

National Demographics - 2020



National Drug Use by Subgroup - 2020



Colorado - 2020

2020 State Prevalence North Washington Montana Minnesota Dakota Michigan New York Wyoming lowa Pennsylvania United Indiana States Missouri Colorado Kentucky Illicit no Marijuana: 6.148% Marijuana: 30.90% North GABA: 1.017% Carolina Opioid: 5.475% Arkansas Arizona New Mexico Pain Reliever: 5.994% 3.228% Sedatives: Stimulant: 2.089%

•

State

Colorado

© 2021 Mapbox © OpenStreetMap

Colorado Demographic Subpopulation- 2020

tate Abbre	Category	Level							
СО	Age (Years)	18-24	5.3	31.0	1	11.4 •	11.4		
		25-34	14.4	43.7	2.9	8.5	10.2	6.5	5.8
		35-44	5.6	38.2		4.8	4.8	3.4	2.2
		45-54	7.3	32.7		6.9	6.9	3.2	
		55-64	2.9	19.6 •		2.7	3.6		
		65 or older		18.7 •		1.8	1.8		
	Education	Bachelor's Degree or High	5.2 🌘	30.0	1.4 🌼	4.9 🌘	5.5	3.5 🌘	2.4
		High School or GED	7.2 🌑	33.9 🌑			3.1	5.8	
		Some College, Associate's	7.1	31.8 🌘		7.6 🌑	7.8	1.7 🌼	2.0
		Less than High School		20.9 🌑					
	Household	<\$49,999	5.9 🌑	35.3 🌘	1.8 🌑	4.0	5.2 🌘	3.4 🌘	1.9
	Income	\$50,000-\$99,999	7.0	29.2 •		6.8	6.8	3.2	2.0
		>\$100,000	5.3 🌘	25.1 •		6.4 •	6.4 •	2.9 🌘	2.5
	Race/Ethnicity	American Indian or Alaska			1				
		Asian		17.6					
		Black or African American	9.4	34.6		13.8	13.8		
		Native Hawaiian or Other							
		Other Race		16.2					
		White	6.5	32.2	1.1 •	5.3	5.9	3.4	2.3
		Hispanic	11.6	28.8 •		10.8	10.8	6.5	
	Sex	Female	5.4	26.7 •	1.1 🌑	3.2 •	4.0	1.9 🌑	1.1
		Male	7.0	35.8 •	0.9	8.1 •	8.3	4.7	3.2
			0	0 50	0	0	0	0	(
			Illicits	Marijuana	Rx Gaba-	Rx Opioids	Rx Pain	Rx Sedatives	Rx Stimulants
			excluding		Analogues	8	Relievers		

Dashboard 2020 Annual Data

https://public.tableau.com/profile/rmpds.research

Or link through

https://www.radars.org/

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- Kate Reynolds
- Geoff Severtson

Denver Health IT Department

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Dashboard 2020 Annual Data

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